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Study of performance of Florida junior college transfer students in the Florida State University showed that: They approached the same G.P.A.'s in the university that they had earned in junior colleges; junior college graduates do satisfactory university work; grades earned in junior college are far better predictors of success in universities than scores in Florida Statewide Twelfth Grade Testing Program.

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FLORIDA JUNIOR COLLEGE TRANSFER STUDENTS in the FLORIDA STATE UNIVERSITY Fall Semester, 1958-1959

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INSTITUTIONAL RESEARCH AND SERVICE
FLORIDA STATE UNIVERSITY
April, 1959

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A STUDY OF FLORIDA JUNIOR COLLEGE TRANSFER STUDENTS IN THE FLORIDA STATE UNIVERSITY: FALL SEMESTER, 1958-1959

This Report is
Individualized
for the

_____
Junior College

Prepared in the
Office of Institutional Research and Service
Florida State University
April , 1959

A STUDY OF FLORIDA JUNIOR COLLEGE TRANSFER STUDENTS IN THE FLORIDA STATE UNIVERSITY: FALL SEMESTER, 1958-1959[1]

INTRODUCTION

This study is the fourth in a series of analyses of the academic performance of Florida junior college transfer students enrolled in the Florida State University made annually by the Office of Institutional Research and Service. A report entitled A Study of Students Who Transferred from Florida Junior Colleges to the Florida State University released in May, 1955, covered the period September, 1950 through September, 1954. Two later reports,[2,3] released by this Office in April, 1957 and in March, 1958, studied the academic performance of those Florida junior college transfer students enrolled in the Florida State University during the fall semesters of 1956 and 1957 respectively. Similarly this study is concerned only with Florida junior college transfer students enrolled in the Florida State University during the fall semester of 1958.

METHOD OF STUDY

This report studies only the work taken by junior college transfer students in residence in the University during the fall semester, 1958-1959. Work by extension or correspondence was not considered.

All Florida junior college transfer students in the University were identified. It was felt, however, that in order to insure reliability of the data and to qualify for detailed study every such student should have had a reasonable amount of work in the junior college before transfer and should have attempted a reasonable amount of work in the University after transfer. In the final consideration, therefore, only those students were included in the major portion of the study (1) who earned 12 or more semester hours while in junior college; (2) who attempted 12 or more semester hours of work in the Florida State University during the fall semester, 1958-1959; and (3) who were bonafide undergraduate students in residence.

All junior college grades, including "D's" and "F's," were used in calculating the junior college grade point averages (GPA). The FSU grade point average is for the fall semester (1958-1959) only. It too is based on all grades, including "D's" and "F's."

Quality points per hour of credit were assigned as follows: A=4; B=3; C=2; D=1; F=0. Such miscellaneous marks as W and I were disregarded. Grade point

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[1]Prepared in the Office of Institutional Research and Service. OIRS acknowledges with gratitude the assistance of the Office of the Registrar and the Office of Personnel Records in the development of this study.

[2]A Study of Florida Junior College Transfer Students in the Florida State University: Fall Semester, 1956-1957.

[3]A Study of Florida Junior College Transfer Students in the Florida State University: Fall Semester, 1957-1958.

averages were determined by dividing the total number of quality points accumulated by the total number of semester hours of work attempted.

Total scores on the Florida Statewide Twelfth Grade Testing Program (FSTGTP) battery of tests were available for 76.9 per cent of the students included in the study. For this sub-group further analyses of grades earned at junior college and at FSU were made in relation to FSTGTP scores.

INSTITUTIONS INCLUDED IN STUDY

Included in this study were the following institutions: Chipola Junior College, Orlando Junior College, Palm Beach Junior College, Pensacola Junior College, and St. Petersburg Junior College. During the fall semester, 1958-1959, Florida Christian College and Webber College had no transfer students in the Florida State University. Gulf Coast Community College had three transfer students in FSU, too few to afford meaningful data for this study. Central Florida College, Daytona Beach Junior College, Manatee Junior College, North Florida Junior College, and St. Johns River Junior College admitted their first students during the fall of 1958 and hence had no transfer students in FSU during this period.

THE FINDINGS

During the fall semester, 1958-1959, a total of 305 transfer students from the Florida junior colleges, as indicated above, were enrolled in the Florida State University. Table 1 indicates for each of these junior colleges (1) the number of students included in the study, (2) the number of students not included in the study, and (3) the total number of Florida junior college transfer students enrolled in the University. It will be noted that the number of transfers from individual junior colleges ranged from 21 to 97.

Table 1 indicates that 58 junior college transfer students enrolled in the University in the fall semester of 1958 were not included in the major part of this study. The reasons why these students were not included are indicated in Table 2. No further consideration will be made in this study to these 58 students.

The 247 students included in this study, as indicated in Table 1, have been classified in four groups for special consideration. These groupings are: (1) all junior college transfer students included in the study; (2) those with 60 or more semester hours junior college credits and thus presumed to be junior college graduates; (3) those enrolled in the University for the first time; and (4) those with 60 or more semester hours junior college credits (probably junior college graduates) who were enrolled in the University prior to the fall semester, 1958-1959. These groupings are identified in Table 3.

Table 4, section "A," shows a summary of all data for all five junior colleges combined. Section "B" of Table 4 presents data for the respective junior colleges. This section of the report is confidential and is submitted directly to the particular institutions.

As noted earlier the junior college grade point averages are calculated from <u>all</u> junior college grades, including "D's" and "F's." The Florida State

University grade point averages, which also include "D's" and "F's," are for the fall semester, 1958-1959 only.

It will be noted that here two sub-groups are given special attention: (1) junior college transfer students with FSTGTP scores of 200 or less and (2) junior college transfer students with FSTGTP scores over 200. On the basis of FSTGTP scores, students in the first group would not have been eligible, without special consideration, for admission as first-time freshmen to the Florida State University. On the other hand, students in the second group had attained FSTGTP scores satisfactory for direct admission to the University had they elected to enter FSU as freshmen.

Concerning the summary data for all five junior colleges combined (section "A" of Table 4) a number of observations are in order: (1) for the group as a whole the quality of work before and after transfer was approximately the same, being of slightly lower quality (median -.09, mean -.10) after transfer to the University; (2) junior college graduates (i.e., transfers with 60 or more semester hours of junior college credit) did essentially the same quality of work in the University as they did in junior college before transfer, again the median GPA and mean GPA are slightly lower, (median -.08, mean -.12); (3) transfer students enrolled in the University for the first time suffered first semester"GPA shocks" (median -.14, mean -.19); (4) transfer students with 60 or more semester hours of junior college who have been in the University more than one semester are achieving at virtually the same level as in junior college (the median GPA difference being +.07, the mean -.04).

These results are consistent with earlier experiences in this University and with experiences elsewhere which have shown that junior college transfers normally retain the relative scholastic standing after transfer that they held before transfer. Grade point average drops in the first term after transfer are not unusual. The loss, however, is ordinarily recovered after the first marking period.

It will be noted that there were 33 junior college transfers with FSTGTP scores of 200 or less. It will be noted further that for these students the median and the mean university GPA (2.35 and 2.43) are well above the minimum required for graduatation (2.0). The range of GPA's for this group is from 1.00 to 4.00. Hence it would seem that the majority of this group of junior college transfer students (with FSTGTP scores below the admissions requirements for first time freshmen at FSU) are doing work of "satisfactory" or better quality in the University.

As would be expected, the overall grade point averages of the junior college transfers with FSTGTP scores over 200 are higher. The mean for this group is 2.53 and the median is 2.56.

Section "B" of Table 4 shows the same type of information for each individual junior college. In addition this table shows the rankings of the individual junior college, in relation to the other four junior colleges included in this study, with respect to FSU GPA's and FSTGTP scores. As has been noted earlier this section of the report has been individualized for the respective institutions and is confidential.

Table 5 is included in order that comparisons may be made between junior college transfer groups and certain other groups within the Florida State University. For example, the following comparisons may be noted. Section "A" of Table 4 shows that junior college graduates (i.e., Group "B") amassed in the University for the fall semester, 1958-1959, a mean GPA of 2.52. When this figure is laid alongside the GPA's in Table 5 it will be seen that the junior college graduate transfer group exceeded the following FSU groups: student body as a whole, fraternities, freshmen, sophomores, juniors, upperclassmen (sophomores, juniors, seniors), and all undergraduates combined. In other words the junior college graduate transfer group was exceeded in quality of work only by the following FSU groups: sororities, seniors, special students, and graduate students. This comparison shows essentially the same pattern as that noted the two previous years.

The reader may wish to make other comparisons of his own choosing.

For the 190 transfer students for whom FSTGTP scores were available these scores are paired with their junior college GPA's. The relationships may be seen in Table 6. The relationships between FSTGTP scores and University GPA's may be seen in Table 7.

The coefficients of correlation between GPA's and FSTGTP scores were as follows: FSTGTP scores and junior college GPA's, .3188; FSTGTP scores and University GPA's, .1092; junior college GPA's and University GPA's, .4724.

On the basis of these data, it would seem that while FSTGTP scores are useful in helping to predict achievement in junior college work they are in individual cases, by no means infallible. Certainly they are much less useful as long range indicators for predicting the quality of work expected from the student after transfer to the University. The coefficient of correlation between junior college GPA's and University GPA's (.4724) would seem to indicate that junior college grades are a considerably better measure for predicting success in the University.

SUMMARY AND CONCLUSIONS

Reported here is a study of the performance of Florida junior college transfer students in the Florida State University during the fall semester, 1958-1959. As a result of this study the following summary statements and conclusions seem to be in order:

1. During the period covered by this study (i.e., fall semester, 1958-1959) 305 Florida junior college transfer students were enrolled in the Florida State University. Of the 305 students 58 failed for one or more reasons to qualify for the study. The study, therefore, was concerned with the remaining 247 students.

2. The total group of all Florida junior college transfer students combined approached the same GPA's in the University that they had earned in junior college before transfer. The median and mean GPA's were lower in the University but only modestly so (median -.09, mean -.10).

3. During their first semester of enrollment in the University, Florida junior college transfer students quite frequently suffer "GPA shocks." There is good reason to believe, however, that after the first semester of enrollment these students rapidly recover from these GPA losses and go on to do University work comparable in quality to the junior college work they did before transfer.

4. Junior college graduates (i.e., those transferring 60 or more semester hours of junior college credit) generally do quite satisfactory work in the University, especially after the adjustments of the first semester have been made. The group of junior college graduates who had been in the University for more than one semester achieved virtually the same GPA's in the University as in junior college before transfer (difference in medians +.07, difference in means -.04).

5. Junior college graduates as a group did better work than many FSU groups (e.g., the student body as a whole, fraternities, the freshman class, the sophomore class, the junior class, all upperclassmen combined, and all undergraduates combined) during the fall semester, 1958-1959.

6. Of the 247 junior college transfer students here studied, 190 had FSTGTP scores available. Of these 190 students 33 (17.4%) held scores of 200 or less. These students would not have been readily admitted to the Florida State University as first-time freshmen. After transferring to the University from junior college the majority of these students earned "satisfactory" or better GPA's during the fall semester, 1958-1959. The median GPA for these students was 2.35, the mean GPA was 2.43.

7. The coefficient of correlation between junior college GPA's and FSTGTP scores (.3188) indicated that the test scores would be helpful in predicting junior college success; but their value in predicting academic achievement after transfer to the University seemed negligible (coefficient of correlation, .1092). On the basis of this study it seems clear that grades earned in junior college are a far better predictor of success in the University after transfer (coefficient of correlation, .4724).

TABLES

TABLE 1

TOTAL NUMBER FLORIDA JUNIOR COLLEGE
TRANSFER STUDENTS IN THE FLORIDA STATE UNIVERSITY
(Fall Semester, 1958-1959)

INSTITUTION	NUMBER INCLUDED IN STUDY[1]	NUMBER NOT INCLUDED IN STUDY[1]	TOTAL NUMBER JUNIOR COLLEGE TRANSFER STUDENTS
Chipola Junior College	67	12	79
Orlando Junior College	17	4	21
Palm Beach Junior College	33	7	40
Pensacola Junior College	52	16	68
St. Petersburg Junior College	78	19	97
TOTAL[2]	247	58	305

[1]This study includes only students who (1) have earned 12 or more semester hours credit in their respective junior colleges; (2) attempted 12 or more semester hours in the Florida State University during the fall semester, 1958-1959; (3) did not attend another institution after their junior college work and before transferring to F.S.U.; and (4) are bonafide undergraduate students.

[2]An additional three students at F.S.U. fall semester, 1958-1959, were transferred from the Gulf Coast Community College. This Junior College was not included in this study since the number of transfer students was so small.

TABLE 2

TOTAL NUMBER JUNIOR COLLEGE TRANSFER STUDENTS
IN THE FLORIDA STATE UNIVERSITY
NOT INCLUDED IN THIS STUDY
(Fall Semester, 1958-1959)

	NUMBER J.C. TRANSFER STUDENTS NOT INCLUDED IN STUDY				
INSTITUTION	Less Than 12 Sem.Hrs. J.C. Credit	Less Than 12 Sem.Hrs. F.S.U. Fall'58 or Withdrawn During Sem.	Entered F.S.U. Via Another Institution	Graduate or Special Students	Total
Chipola Junior College	3	5	0	4	12
Orlando Junior College	3	0	1	0	4
Palm Beach Junior College	1	1	3	2	7
Pensacola Junior College	10	1	0	5	16
St. Petersburg Junior College	11	0	2	6	19
TOTAL	28	7	6	17	58

TABLE 3

GROUPINGS OF FLORIDA JUNIOR COLLEGE TRANSFER STUDENTS
ENROLLED IN THE FLORIDA STATE UNIVERSITY
DURING THE FALL SEMESTER, 1958-1959
AND INCLUDED IN THIS STUDY[1]

	NUMBER J.C. TRANSFER STUDENTS INCLUDED IN STUDY[1]			
INSTITUTION	Total	Sixty or More Sem. Hrs. J.C. Credit[2]	Enrolled for First Period at F.S.U.	Sixty or More Sem.Hrs. J.C. Credit and Enrolled F.S.U. Prior to Fall '58[2]
Chipola Junior College	67	45	21	27
Orlando Junior College	17	5	10	1
Palm Beach Junior College	33	20	14	12
Pensacola Junior College	52	28	22	14
St. Petersburg Junior College	78	46	49	17
TOTAL	247	144	116	71

[1]Includes only undergraduate students (1) who earned 12 or more semester hours of credit in their respective junior colleges and (2) who attempted 12 or more semester hours of work in the Florida State University during the fall semester, 1958-1959. (Students who transferred to F.S.U. via another institution are not included in this study.)

[2]It is assumed that the majority of students who earned 60 or more semester hours of credit at a given junior college are graduates of that institution.

TABLE 4

PERFORMANCE OF FLORIDA JUNIOR COLLEGE
TRANSFER STUDENTS IN THE FLORIDA STATE UNIVERSITY[1]
(Fall Semester, 1958-1959)

A. SUMMARY DATA FOR ALL FIVE JUNIOR COLLEGES COMBINED[2]

GROUPING	N	JUNIOR COLLEGE G.P.A.				F.S.U. G.P.A.				F.S.U. G.P.A. vs J.C. G.P.A.		F.S.T.G.T.P. SCORES		
		High	Low	Median	Mean	High	Low	Median	Mean	Median	Mean	N	Median	Mean
All Junior College Transfers[1]														
A. Entire Group	247	3.87	1.29	2.55	2.60	4.00	0.69	2.46	2.50	-.09	-.10	190	322	307
B. Transfers with 60 or More Sem. Hrs. J.C. Credit[3]	144	3.87	1.68	2.55	2.64	4.00	0.80	2.47	2.52	-.08	-.12	111	324	311
C. Transfers in First Period Enrollment at F.S.U.	116	3.76	1.61	2.53	2.56	4.00	0.69	2.39	2.37	-.14	-.19	89	331	317
D. Transfers with 60 or More Sem. Hrs. J.C. Credit Enrolled at F.S.U. Prior to Fall, 1958[3]	71	3.87	1.68	2.64	2.69	4.00	1.33	2.71	2.65	+.07	-.04	56	308	297
Junior College Transfers with F.S.T.G.T.P. Scores 200 or Less														
A. Entire Group	33	2.95	1.86	2.30	2.35	4.00	1.00	2.35	2.43	+.05	+.08			
B. Transfers with 60 or More Sem. Hrs. J.C. Credit[3]	20	2.95	1.92	2.37	2.39	3.43	1.40	2.22	2.28	-.15	-.11			
C. Transfers in First Period Enrollment at F.S.U.	13	2.95	2.00	2.22	2.35	4.00	1.40	2.19	2.36	-.03	+.01			
D. Transfers with 60 or More Sem. Hrs. J.C. Credit Enrolled at F.S.U. Prior to Fall, 1958[3]	10	2.72	1.92	2.50	2.44	3.43	1.59	2.29	2.44	-.21	----			
Junior College Transfers with F.S.T.G.T.P. Scores Over 200														
A. Entire Group	157	3.87	1.29	2.59	2.65	4.00	0.69	2.56	2.53	-.03	-.12			
B. Transfers with 60 or More Sem. Hrs. J.C. Credit[3]	91	3.87	1.68	2.59	2.70	3.81	0.80	2.60	2.56	+.01	-.14			
C. Transfers in First Period Enrollment at F.S.U.	76	3.76	1.61	2.59	2.63	3.80	0.69	2.42	2.40	-.17	-.23			
D. Transfers with 60 or More Sem. Hrs. J.C. Credit Enrolled at F.S.U. Prior to Fall, 1958[3]	46	3.87	1.68	2.68	2.74	3.81	1.33	2.71	2.66	+.03	-.08			

TABLE 4 (Continued)

B. SUMMARY DATA FOR _____ JUNIOR COLLEGE

GROUPING	N	JUNIOR COLLEGE G.P.A.				F.S.U. G.P.A.				F.S.U. G.P.A. vs J.C. G.P.A.	
		High	Low	Median	Mean	High	Low	Median	Mean	Median	Mean
All Junior College Transfers[1]											
A. Entire Group											
B. Transfers with 60 or More Sem. Hrs. J.C. Credit[3]											
C. Transfers in First Period Enrollment at F.S.U.											
D. Transfers with 60 or More Sem. Hrs. J.C. Credit Enrolled at F.S.U. Prior to Fall, 1958[3]											
Junior College Transfers with F.S.T.G.T.P. Scores 200 or Less											
A. Entire Group											
B. Transfers with 60 or More Sem. Hrs. J.C. Credit[3]											
C. Transfers in First Period Enrollment at F.S.U.											
D. Transfers with 60 or More Sem. Hrs. J.C. Credit Enrolled at F.S.U. Prior to Fall, 1958[3]											
Junior College Transfers with F.S.T.G.T.P. Scores Over 200											
A. Entire Group											
B. Transfers with 60 or More Sem. Hrs. J.C. Credit[3]											
C. Transfers in First Period Enrollment at F.S.U.											
D. Transfers with 60 or More Sem. Hrs. J.C. Credit Enrolled at F.S.U. Prior to Fall, 1958[3]											

TABLE 4 (Continued)

B. SUMMARY DATA FOR _____ JUNIOR COLLEGE (Continued)

GROUPING	N	RANK ON F.S.U. G.P.A. AMONG FIVE J.C.'S		N	F.S.T.G.T.P. SCORES				RANK ON F.S.T.G.T.P. SCORES AMONG FIVE J.C.'S	
		Median	Mean		High	Low	Median	Mean	Median	Mean
	All J.C. Transfers[1]			All J.C. Transfers[1] with F.S.T.G.T.P. Scores						
A. Entire Group										
B. Transfers with 60 or More Sem. Hrs. J.C. Credit[3]										
C. Transfers in First Period Enrollment at F.S.U.										
D. Transfers with 60 or More Sem. Hrs. J.C. Credit Enrolled at F.S.U. Prior to Fall, 1958[3]										

TABLE 4 (Continued)

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[1]Includes only those undergraduate students who have 12 or more semester hours credit in their respective junior college; who attempted 12 or more semester hours at F.S.U. during fall semester, 1958-1959; and who had not attended another institution after their junior college work.

[2]Chipola Junior College, Orlando Junior College, Palm Beach Junior College, Pensacola Junior College, St. Petersburg Junior College.

[3]It is assumed that the majority of students who earned 60 or more semester hours of credit at a given junior college are graduates of that institution.

NOTE. In computing junior college grade point averages ALL grades, including "D's" and "F's," were used.

TABLE 5

FLORIDA STATE UNIVERSITY
AVERAGES

Fall Semester, 1958-1959

GROUPING	NUMBER STUDENTS	GRADE POINT AVERAGE
Student Body	7478	2.4235
Men	4024	2.3078
Women	3454	2.5491
Sororities	1067	2.5626
Fraternities	890	2.1033
Total	1957	2.3573
Freshmen	1877	2.0856
Men	862	1.9129
Women	1015	2.2250
Sophomores	1481	2.2284
Men	726	2.0161
Women	755	2.4223
Juniors	1451	2.4554
Men	777	2.2896
Women	674	2.6378
Seniors	1368	2.7391
Men	813	2.5623
Women	555	2.9958
Specials	237	2.7043
Men	109	2.5150
Women	128	2.8850
Upper Class (Soph. Jr. Sr.)	4300	2.4688
Men	2316	2.3059
Women	1984	2.6555
Graduates	1064	3.1916
Men	737	3.1657
Women	327	3.2580
Undergraduates	6414	2.3576
Men	3287	2.2027
Women	3127	2.5154

TABLE 6

F.S.T.G.T.P. SCORES IN RELATION TO
GRADES EARNED IN JUNIOR COLLEGE

F.S.T.G.T.P. TOTAL SCORE	N	JUNIOR COLLEGE GRADE POINT AVERAGE				
		4.0-3.5	3.4-2.5	2.4-1.5	1.4-0.5	0.4-0.0
400 - 495	40	7.5%	67.5%	25.0%	0.0%	0.0%
300 - 399	69	2.9	52.2	44.9	0.0	0.0
200 - 299	48	0.0	45.8	52.1	2.1	0.0
100 - 199	30	0.0	30.0	70.0	0.0	0.0
5 - 99	3	0.0	33.3	66.7	0.0	0.0
TOTAL	190	2.6%	50.0%	46.8%	0.5%	0.0%

TABLE 7

F.S.T.G.T.P. SCORES IN RELATION TO GRADES EARNED
IN THE FLORIDA STATE UNIVERSITY

F.S.T.G.T.P. TOTAL SCORE	N	F.S.U. GRADE POINT AVERAGE				
		4.0-3.5	3.4-2.5	2.4-1.5	1.4-0.5	0.4-0.0
400 - 495	40	12.5%	50.0%	32.5%	5.0%	0.0%
300 - 399	69	2.9	50.7	40.6	5.8	0.0
200 - 299	48	8.3	35.4	45.8	10.4	0.0
100 - 199	30	3.3	40.0	50.0	6.7	0.0
5 - 99	3	0.0	33.3	66.7	0.0	0.0
TOTAL	190	6.3%	44.7%	42.1%	6.8%	0.0%